# Arizona State Retirement System Board



# **Real Estate Asset Class Review**

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# **Discussion Items**

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### **ASRS Real Estate Program - Overview**

- Represents 6% +/- 2% of ASRS strategic asset allocation policy
- Invests in public and private, core and non-core U.S. and international institutional real
  estate markets
- Program Objectives: Achieve attractive risk-adjusted return, enhance diversification of ASRS' investment program
- Return expectation
  - NPI + 1%
  - 9% net (1% over the ASRS Actuarial 8% rate of return)
- Major Program Constraints

Component	Mininum/Maximum Exposure	% of Portfolio F&C as of 6/30/08 <sup>1</sup>		
Total Core	Minimum 20%	16%		
Public Securities	Maximum 30%	9%		
Total Non-Core	Maximum 80%	84%		
International	Maximum 30%	22%		
Leverage	Maximum 65%	55%		

Percentages representative of private assets only, except for public securities

# **Program Activities**

#### During FY08 (Jul1 07-Jun30 08)

• Thirteen (13) real estate mandates awarded with commitments totaling \$650 million

Manager	Strategy	Commitment
CBRE Strategic Partners US Value Fund V	Non-Core Enhanced Retun	\$ 50,000,000
CBRE Strategic Partners Opportunity Fund V	Non-Core High Return	\$ 50,000,000
Lone Star Real Estate Fund	Non-Core High Return	\$ 25,000,000
Lone Star Fund VI	Non-Core High Return	\$ 75,000,000
Capmark Commercial Realty Partners III	Non-Core Enhanced Return	\$ 50,000,000
Westbrook Real Estate Fund VIII	Non-Core High Return	\$ 50,000,000
Tishman Speyer Real Estate Venture VII	Non-Core High Return	\$ 50,000,000
Rothschild FARS V	Non-Core High Return	\$ 50,000,000
Five Mile Capital Partners II	Non-Core High Return	\$ 50,000,000
Prudential Latin America Residential Fund III	Non-Core High Return	\$ 50,000,000
AIG Asian Realty Partners II	Non-Core High Return	\$ 50,000,000
Blackstone Real Estate Partners VI	Non-Core High Return	\$ 50,000,000
CIM Real Estate Fund III	Non-Core High Return	\$ 50,000,000

Reallocated US public REIT securities to two global real estate securities managers

Manager	Funding Date	Funded Amounts		
European Investors	8/31/2007 & 10/31/2007	\$61,141,111 & \$10,000,000		
LaSalle Investment Management Securities	8/31/2007 & 11/30/2007	\$77,523,773 & \$10,459,122		

#### During FY09 (Jul 108 to present)

• Awarded commitments to two (2) new real estate manager totaling \$200 million

Manager	Strategy	Commitment		
Open-End Fund	Core	\$	150,000,000	
Follow-On Fund II	Non-Core High Return	\$	50,000,000	

#### ASRS RE Program Snapshot as of November 13, 2008

REAL ESTATE INVESTMENTS:	MARK	ET VALUES*	% PORTFOLIO		OMMITTED YET FUNDED	FUN	TOTAL NDED/COMMITTED	% PORTFOLIO		olicy cation
a										
Core - Private Open-End Fund	ф			\$	150,000,000	\$	150,000,000			
Hines US Core Office Fund	\$ \$	21.158.520		Ф	150,000,000	\$	21,158,520			
CIM Urban REIT	\$ \$	54,058,906		\$	34,115,933	\$ \$	21,158,520 88,174,839			
CIM Urban REIT	\$	75,217,426	11.43%	\$	184,115,933	\$	259,333,359	16.43%		
	<b></b>	/5,217,420	11.43%	Ф	184,115,933	Ф	259,333,359	10.45%		
Core - Public										
European Investors	\$	35,178,766				\$	35,178,766			
LaSalle Investment Management	\$	44,133,646				\$	44,133,646		Core	
	\$	79,312,412	12.05%	\$	-	\$	79,312,412	5.02%	Public	Max 30°
Total Core:	\$	154,529,838	23.49%	\$	184,115,933	\$	338,645,771	21.45%	Total Core	Min 20%
Non Core - Enhanced Return										
CBRE Strategic Partners Value Fund V	\$	3,165,831		\$	46,834,169	\$	50,000,000			
Capmark Commercial Realty Partners III		30,292,795		\$	19,707,205	\$	50,000,000			
Heitman Value Partners II		13,425,625		\$	36,088,125	\$	49,513,750			
PRISA II		42,081,967		\$	26,132,000	\$	68,213,967			
AEW Value Investors II	\$	19,340,294		\$	35,176,650	\$	54,516,944			
ALLY Value Investors II	\$	105,140,681	15.98%	\$	117,103,980	\$	222,244,661	14.08%		
Non Core - High Return										
Lone Star Fund VI	\$	57,223,163		\$	17,776,837	\$	75,000,000			
Lone Star Real Estate Fund		8,707,401		\$	16,292,599	\$	25,000,000			
CBRE Strategic PartnersOpportunity Fund V		5,629,619		\$	44,370,381	\$	50,000,000			
PLA Residential Fund III		5,757,052		\$	44,242,948	\$	50,000,000			
Five Mile Capital Partners II		11,000,000		\$	39,000,000	\$	50,000,000			
AIG Asian Real Estate Partners II		3,849,145		\$	46,150,855	\$	50,000,000			
Westbrook Partners Real Estate Fund VII		8,187,150		\$	35,113,160	\$	43,300,310			
Westbrook Partners Real Estate Fund VIII	\$	0,107,130		\$	50,000,000	\$	50,000,000			
CIM Real Estate Fund III	-	1,771,204		\$	48,693,255	\$	50,464,459			
Blackstone Real Estate Partner VI		20,860,636		\$	27,142,513	\$	48,003,149			
Colony Investors VIII		33,094,045		\$	12,898,676	\$	45,992,721			
Carlyle Realty Partners Fund V		29,150,204		\$	24,921,300	\$	54,071,504			
Rothschild FARS IV	\$	49,295,154		\$	31,851,534	\$	81,146,688			
Rothschild FARS V		6,276,326		\$	43,723,674	\$	50,000,000			
Tishman Speyer Real Estate Venture VI		22,900,164		\$	2,881,292	\$	25,781,456			
Tishman Speyer Real Estate Venture VII	\$	22,965,351		\$	25,661,352	\$	48,626,703			
RREEF Global Opportunities Fund II		49,076,825		\$ \$		\$	49,076,825			
PLA Retail Fund I		25,136,301		\$ \$	45,168,539	\$ \$	70,304,840			
Dune Real Estate Fund I		37,440,700		\$	13,500,000	\$	50,940,700			
Follow-On Fund II	φ <b>\$</b>	37, <del>44</del> 0,700		Ф \$	50,000,000	\$ \$	50,000,000			
Follow-On Fullu II	\$	398,320,439	60.54%	\$	619,388,916	\$	1,017,709,355	64.47%		
Total Non-Core:	\$	503,461,120	76.51%	\$	736,492,896	\$	1,239,954,016	78.55%	Non-Core	Max 80
Total Non-Core:	Ψ	303,401,120	/0.31/0	Ψ	730,472,090	Ψ	1,237,734,010	70.33 /0	11011-0016	MIAN OU
tal ASRS Real Estate Portfolio:	\$	657,990,958		\$	920,608,829	\$	1,578,599,787			

<sup>\*</sup>Market values for Hines, CIM Urban REIT, Heitman II, PRISA II, AEW II, Westbrook VII, CIM III, Blackstone VI, Colony VIII, Carlyle V, FARS IV, Tishman Speyer VI,

3.13%

7.52%

As a % ASRS Market Value of \$21 billion

Tishman VII, RREEF, PLA Retail Fund I and Dune are as of 3/31/08 per The Townsend Group and include any fundings between 4/1/08 through 11/13/08.

<sup>\*</sup>Market values for CBRE Value V, CBRE Opportunity V, Capmark III, Lone Star VI, LSREF, PLA Residential III, Five Mile II, AIG Asia II and FARS V equal funded amounts through 11/13/08. Updated financial reporting is not yet available.

<sup>\*</sup>European Investors and LaSalle Investment Management market values is as of 10/31/08.

Note: The current allocation reflects temporary imbalances that will be reduced in the future as the portfolio moves towards full allocation.

#### Real Estate Program Performance as of June 30, 2008

Portfolio Performance						
	1 Year	Since Inception <sup>4</sup>				
Total ASRS Real Estate Portfolio <sup>3</sup>	-11.7%	7.3%				
Total ASRS Real Estate Portfolio - Excluding REITS	-3.9%	13.9%				
Plan Benchmarks						
	1 Year	Since Inception				
NPI + 100 BPS <sup>1,2</sup>	10.2%	15.6%				
Constant 9% <sup>1</sup>	9.0%	9.0%				

#### Primary Performance contributors

- Exposure to Core Public REITs. REITS materially under-performed private real estate market returns.
- J-curve effect in Non-Core investments. Anticipated during initial funding periods and early value creation phase.

Note: NPI benchmark does not include Public REITS; NPI typically lags in its write down of assets which are anticipated to occur in the 4<sup>th</sup> quarter 2008.

#### Notes

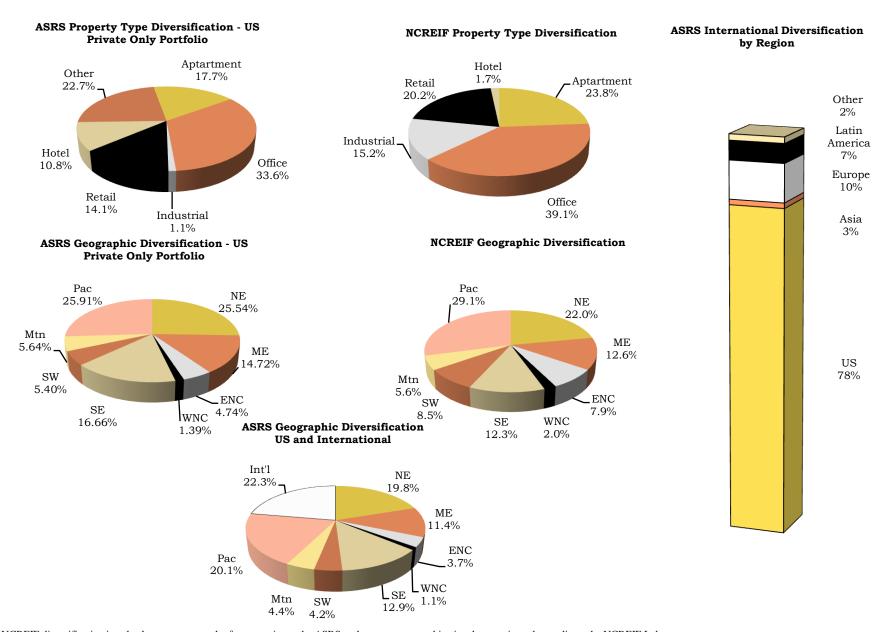
<sup>&</sup>lt;sup>1</sup> The ASRS return objective for the real estate portfolio is a NET return of NPI+100bps and a constant 9%. NPI+100bps represents a near term, 5-7 year, total portfolio risk adjusted return expectation

<sup>&</sup>lt;sup>2</sup> NPI is the NCREIF Property Index which represents an appraisal based index of institutionally owned unlevered core real estate and does not capture the affects of the "J-curve" associated with non-core, opportunistic investing

<sup>&</sup>lt;sup>3</sup> Per the September 30, 2008 Mercer Report (Real Estate lags by one quarter)

<sup>&</sup>lt;sup>4</sup> Inception date of performance is 10/1/05

## Property Type and Geographic Diversification as of June 30, 2008



# **ASRS Owner/Occupied Properties**

Physical	3300 Tower	JV Land	Broadway Proper	
Location	Phoenix	Phoenix	Tucson	
Property Type	High Rise Office	Vacant Land	Suburban Office	
# Stories	26		3	
Bldg Sq. Ft.	363,655		52,875	
Land Sq. Ft.	224,200	69,531	200,304	
Parking Spaces	1,053		253	
Occupancy % (5/31/07)	90.5%		82.1%	
(9/30/08)	94.7%		85.6%	

#### **ASRS Owner/Occupied Properties**

#### 3300 Tower (Phoenix)

- Increasing occupancy rates, 6/30/07 90.7% and 9/30/08 94.7%, though general market conditions and tenant activity have slowed with the overall economy. Sub-market occupancy is 86.9%
- Significantly higher rental rates in sub-market and at property over the past twelve months; however, rent growth is turning negative. Average asking lease rates have decreased from \$23.49 one year ago to \$22.68 today. A 3.5% decrease
- Concessions are increasing as the metropolitan Phoenix market has experienced negative absorption of 120,434 sq. ft. in the first half of 2008
- Sub-market fundamentals: Negative net absorption of 91,431 sq. ft. since 4<sup>th</sup> quarter 2007.
   Vacancies have increased to 16.3% from 14% as of 6/30/08.
- Low near-term rollover
  - 2009 11.46%
  - 2010 9.21%

#### **Broadway Proper (Tucson)**

- Suburban Garden Office
- Rents have held steady in over past 12 months, though tough economy should put pressure on rents over the next 12 months
- Though rising vacancy rates and reduced absorption in sub-market, occupancy at the project has risen from 82.1% as of 6/30/07 to 85.6% as of 9/30/08. Sub-market occupancy is at 86.0%
- In process of replacement and repairs of wood beams, stairwells and guardrails, painting the entire project
- Focus on in-process capital projects, increasing occupancy during the balance of 2008 and 2009 and renewing near-term rollover tenants with longer term leases

#### Real Estate Global Themes – The Townsend Group

#### Credit Crisis and Weakening Fundamentals

- Credit Crisis
  - Sources declining since summer 2007
  - Lack of confidence has virtually seized debt markets
  - Acute deleveraging underway across the globe
- Weakening Fundamentals
  - Lack of credit has finally dragged down global economy
  - Rising unemployment
  - Waning consumer confidence

#### Developed Markets

- Modest reported price adjustments
  - UK adjustments ahead of US; vary by property type in Japan
  - · Limited transactions impede price adjustments
  - · Thus far, NOI remains stable
  - Signs of further adjustments
    - Implied public cap rates
    - Derivative transactions
    - Secondary discounts
    - Consensus for Core decline of 20% peak to trough
    - Weakening fundamentals

#### Emerging Markets

- Global slow down
  - Varies by country but not decoupled
  - Declining values; expanding cap rates
  - Limited to no debt

## Real Estate Global Themes – The Townsend Group

#### Primary Risks

- Sponsor stability
- Deep and long term global downturn
- Protracted credit crisis
- Isolated over-supply
- Foreign-exchange risk
- Resurgence of inflation
- Emerging market risks
  - Political, legal, conflict, transparency

#### Investment Implications

- Overweight strategies that rely on dislocation
- Underweight core, core plus, value add at appraised prices
- Avoid pre-specified assets
- Underweight new development
- Invest slowly
- Improve terms

#### Changing Execution

- Out of the box' investments
- Move with market